Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Withdrawn) A composite media file broadcasting program broadcasting control system comprising:

an organizing unit generating and managing organized schedule information map expressing program frame and time frame of CM in the program frame as broadcasting information;

a producing unit obtaining broadcasting schedule information map based on said organized schedule information map generated by said organizing unit, assigning composite media file to be actually broadcasted to each time frame expressed in said broadcasting schedule information map and generating composite media file modification schedule information map and file updating schedule information map of each file forming said composite media file;

a schedule control unit receiving said organized schedule information map managed by said organizing unit, said composite media file modification schedule information map and said file updating schedule information map held in said producing unit and performing unitary management thereof; and

a broadcasting unit for broadcasting a broadcasting data to a transmission line according to a broadcasting schedule information provided from said schedule control unit.

2.   (Withdrawn) A composite media file broadcasting program broadcasting control system as set forth in claim 1, wherein

a storage device storing a program information, a broadcasting schedule information map and a time information; and

a trigger input device commanding modification of said broadcasting data of the program on broadcasting to said broadcasting unit.

3.   (Withdrawn) A composite media file broadcasting program broadcasting control system as set forth in claim 1, wherein said organizing unit includes organized

schedule information map input means for inputting the program information and the organized schedule information map to said schedule control unit.

4.   (Withdrawn) A composite media file broadcasting program broadcasting control system as set forth in claim 1, wherein said producing unit includes map input means for inputting said composite media file modification schedule information map and said file updating schedule information map for each file forming said composite media file to said schedule control unit.

5.   (Withdrawn) A composite media file broadcasting program broadcasting control system as set forth in claim 1, wherein said broadcasting unit comprises:

unitary broadcasting schedule information map generating means for obtaining said broadcasting schedule information map and order information of time identifiers used in said broadcasting schedule information map obtained from said schedule control unit and generating a unitary broadcasting schedule information map;

broadcasting preparing means for performing broadcasting preparatory process on the basis of said unitary broadcasting schedule information map generated by said unitarily broadcasting schedule information map generating means; and

composite media file broadcasting means for broadcasting a broadcasting data prepared per designated broadcasting start timing.

6.   (Withdrawn) A composite media file broadcasting program broadcasting control system as set forth in claim 1, wherein said schedule control unit comprises:

broadcasting schedule information map registering means for univocally assigning a program identifier to a program, storing attribute information input from said organizing unit and program information of the map of the program identifier, and generating data broadcasting schedule information map and a time object map from said broadcasting schedule information map for storing in said storage device;

broadcasting schedule information map outputting means for outputting said data broadcasting schedule information map of the program to be object from input program associated information; and

time information output means for outputting order information on a time axis of the time object and time object map.

7. (Withdrawn) A composite media file broadcasting program broadcasting control system as set forth in claim 1, wherein said storage device comprises:

program information storage portion for storing program information;

broadcasting schedule information map storage portion for hierarchically storing said broadcasting schedule information map;

time information storage portion for storing time object map and time object.

8. (Withdrawn) A composite media file broadcasting program broadcasting control system as set forth in claim 2, wherein said trigger input device comprises:

a plurality of broadcasting data modification trigger input devices providing modification command of the broadcasting data to said broadcasting unit upon performing untime broadcasting.

9. (Currently Amended) A composite media file broadcasting program broadcasting control method ~~in a composite media file broadcasting program broadcasting control system including an organizing unit managing program frame and time frame of CM in the program frame, producing unit generating a composite media file to be broadcasted and broadcasting schedule information, broadcasting unit performing broadcasting of broadcasting data to a transmission line according to information provided from said organizing unit and said producing unit, and a trigger input device designating modification of broadcasting data of the program on broadcasting to said broadcasting unit~~, said method comprising the steps of:

setting pointer information to broadcasting schedule information map storing broadcasting start timing without setting real time value as broadcasting start timing of a plurality of said broadcasting schedule information map in hierarchy;

storing time object and attribute information thereof expressing one point on a time axis in the broadcasting schedule information map storing the broadcasting start timing;

enabling broadcasting preparatory process in ~~said~~ a broadcasting unit that performs broadcasting of broadcasting data to a transmission line, even in a condition where broadcasting start timing is not fixed by expressing order of time by time expressing function provided for said time object; and

performing broadcasting instantly responding to determination of broadcasting start timing during broadcasting,

wherein, in said time object, context of the time objects on a time axis is expressed by three kinds of times of time fixed type, range designation type and offset designation type and discriminate the time not known the context.

10.   (Currently Amended) A composite media file broadcasting program broadcasting control method as set forth in claim 9, further comprising the steps of:

~~wherein~~ setting a time identifier as identification information of the time object ~~is set~~ in said broadcasting start timing of said broadcasting schedule information; and

expressing association on a time axis of different broadcasting schedule information maps by using the same time identifier when the same timing is expressed in different broadcasting schedule information map.

11.   (Canceled).

12.   (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 11, wherein the context of broadcasting start timing of broadcasting schedule information at the same or different hierarchical levels on the time axis by the time object of range designation type and offset designation type.

13.   (Currently Amended) A composite media file broadcasting program broadcasting control method as set forth in claim 9, which uses kind of unit generated the time object, ~~such as organizing unit, producing unit or the like~~, kind of time object, ~~such as time fixed type, range designation type and offset designation type~~, kind of trigger input device determining a real time value for the time object in range designation, and extending character string as attribute information of the time object registered in the time object map, the method further comprising:

determining, in association, classifying broadcasting schedule information determining broadcasting schedule information fixing broadcasting start timing in said broadcasting unit, broadcasting schedule information of not fixed time and time ~~are~~ ~~determined in association,~~; and

obtaining time list to be determined by ~~the~~ a trigger input device that designates modification of broadcasting data of the program on broadcasting to said broadcasting unit, by realizing classification function of the time object by said attribute information.

14.　(Currently Amended) A composite media file broadcasting program broadcasting control method as set forth in claim 9, further comprising:

~~wherein~~ realizing lump modification of time information ~~is realized~~ by expressing only pointer information to the time information without presenting real time value in the broadcasting schedule information; and

~~for~~ facilitating partial reusing of the composite media file broadcasting program based on the realizing of the lump modification of time information.

15.　(Currently Amended) A composite media file broadcasting program broadcasting control method as set forth in claim [[11]] 9, wherein the time object of time fixed type expresses a time by real time value, said offset designation type time object expresses time with the time identifier of the objective time object and relative time from said time object, and said range designation type time object expresses the time with range start time value or the time identifier of the time object using the range start time value and range end value or the time identifier of the range end time.

16.　(Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 9, wherein said time object further includes an association type expressing context of time objects on the time axis by expressing the time with the time identifier of the objective time object and start relative time and end time in addition to three kinds of time objects of time fixed type, range designation type and offset designation type, and whereby discriminating the time object unknown the context.

17.　(Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 16, wherein the context of the broadcasting start timings of the broadcasting schedule information of the same or different hierarchical levels on the time axis by said range designation type, offset designation type and associated type time objects.

18.　(Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 16, wherein said trigger input device for permitting user to determined broadcasting start timing, presents time range where the time becomes

effective on a user interface, by expressing the broadcasting start timing of the broadcasting schedule information by the range designation type and association type time object.

19.   (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 16, wherein said schedule control unit is provided with a function for making judgment whether the aggregate of four kinds of time objects of the time fixed type, range designation type, offset designation type and association type can be sorted in order of time or not, and if sorted, utilizing topological sorting theory of the order of the time object.

20.   (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 18, wherein screen image modification timing to be provided trigger from the trigger input device in a time range by the time fixed type and range designation type time object, said schedule control unit is provided with a function for making judgment of order of the time objects for enabling broadcasting of data broadcasting program performed screen image modification.

21.   (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 19, wherein screen image modification timing to be provided trigger from the trigger input device in a time range by the time fixed type, range designation type and offset designation type time object, said schedule control unit is provided with a function for making judgment of order of the time objects for enabling broadcasting of data broadcasting program performed screen image modification.

22.   (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 19, wherein screen image modification timing to be provided trigger from the trigger input device in a time range by the time fixed type, range designation type and association type time object, said schedule control unit is provided with a function for making judgment of order of the time objects for enabling broadcasting of data broadcasting program performed screen image modification.

23.   (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 19, wherein four kinds of time objects of time fixed type,

range designation type, offset designation type and association type are used for expressing screen image modification timing provided trigger by said trigger input device in a certain time range, expressing screen image modification timing for modifying screen image after a given period from trigger, and expressing screen image modification timing provided trigger from said trigger input device in a time range before a certain timing, and said schedule control unit is provided function for judgment of order of time object for enabling broadcasting of data broadcasting program with admixed screen image modification modes.

24. (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 9, which is provided function for designating condition utilizing attribute information of the time object registering the time object map, taking out partial aggregate of time object having attribute adapted to the condition from the aggregate of the time object of the program and making judgment whether the time objects forming the partial aggregate can be sorted in order of time or not and order of time object as can be sorted.

25. (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 24, which uses kind of unit generated the time object, such as organizing unit, producing unit or the like, kind of time object, such as time fixed type, range designation type and offset designation type, kind of trigger input device determining a real time value for the time object in range designation, and extending character string as attribute information of the time object registered in the time object map,

classifying broadcasting schedule information determining broadcasting schedule information fixing broadcasting start timing in said broadcasting unit, broadcasting schedule information of not fixed time and time are determined in association, and obtaining time list to be determined by the trigger input device by realizing classification function of the time object by said attribute information.

26. (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 25, wherein broadcasting data is broadcasted instantly responding to the timing of trigger by enabling broadcasting preparatory process even for the portion where the judgment of order is possible by dividing the program into a plurality of time zones upon organization and production even in the program, in which judgment of

order of time of the time object can be made and the portion judgment of the order of time of the time object is not possible, by using the time classification code of the attribute information of the time object registered in the time object map.

27. (Currently Amended) A composite media file broadcasting program broadcasting control method as set forth in claim 13, wherein as the attribute information of the time object to be registered in the time object map, the method further comprising the step of:

providing kind of the time object; and is provided for

enabling handing of time objects having different data structure in single time object map with maintaining accessibility of particular kind of time object, based on the providing of the kind of the time object.

28. (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 27, wherein the time object expressing one point on the time axis in various mode is handled with single time object map in a lump, an attribute for discriminating kind of the time object in the time object map to handle the screen image modification timing with the identifier as a common item to be provided in respective time object in the data broadcasting schedule information map, to define the time object having new data structure when the time expressing not premised in the screen image modification timing for adaptation without requiring modification of the data broadcasting schedule information map.

29. (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 9, wherein said schedule control unit has a function for outputting data broadcasting schedule information, in which when the order of the time object is determined, the schedule control unit takes the time indicated by each time object as the broadcasting start timing, for facilitating generation of the unitary broadcasting schedule information map from the time object map.

30. (Withdrawn) A composite media file broadcasting program broadcasting control method as set forth in claim 9, wherein said broadcasting unit includes a function for designating a plurality of variations of order of aggregates of the time objects as demanding

order of the aggregates of the time object to the schedule control unit, when the order of the aggregates of the time objects is judged by said schedule control unit, if some candidates of the order are present, and if number of the candidates falls within a designated number, broadcasting preparation process corresponding to all candidates are performed by the broadcasting by providing a function for outputting all candidates, when the time of the time object is fixed by trigger and order of the aggregates of the time objects is fixed, by selecting the broadcasting data corresponding to the fixed order from the prepared broadcasting data for enabling instantly broadcasting the broadcasting data without performing broadcasting preparation process for broadcasting of the broadcasting data instantly responding to the trigger timing.